

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: November 23, 2005

Inspector: Lee Curtis

Location: Norwalk Substation Expansion

Storm/

Rain Event: Approximately 1.44- 1.70" of rain fell over 11/21-11/22 as reported by NOAA

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	- The inlet near the Route 7 ramp receives a lot of off-site stormwater and sediment accumulation was noted here. Silt fence is partially collapsed here but the surrounding stone also helps to filter. 11/23/05.	-The area should continue to be monitored to some degree but sediment is being filtered well by the stone and vegetation. The silt fence could be removed as stormwater volumes are from off site. 11/23/05.
Foundation construction	<p>-Work continues on structures accessed from the western side of the GIS building. Excavation and backfill work at the northwest corner of the GIS building appears to be complete, but a number of stockpiles remain in the adjacent yard area. 11/23/05.</p> <p>- Work continues installing the structures at the northwest portion of the site between the retaining wall and the bike path. 11/10-11/23/05.</p> <p>-Clean up activities associated with the 345 kV Turning Structure work appear to be completed with materials removed and the area regraded. 11/10-11/23/05.</p> <p>- Excavation continues in the</p>	<p>- The stockpiles are contained well within the yard. 11/23/05.</p> <p>-None at this time. 11/23/05.</p> <p>-It should be confirmed that all grades were met as proposed and temporarily disturbed areas are back to their original grades. 11/10-11/23/05.</p> <p>- Continue to maintain erosion controls adjacent to the river here.11/23/05</p>

Areas of Inspection	Observation	Recommended Action
	northern portion of the site near the ROW. 11/23/05	
Erosion and Sediment Controls	- The catch basin at the southwest corner of the GIS building has some observable sediment accumulation as the original protective fabric here is wearing out. 11/10/05-11/23/05	- The catch basin is going to be cleaned out and a new silt sak will be installed. 11/17-11/23/05
Erosion and Sediment Controls continued (includes inspection within 24 hours of a storm event)	<p>- Sedimentation from the access road off the Rt. 7 ramp was noted in the vegetated perimeter swale but it did not leave the site. 9/21/05-11/23/05.</p> <p>-The constructed overflow channel had some accumulated sediment at the edge of the river due to the flooding and potentially the adjacent fill work. 10/27/05-11/23/05.</p> <p>- It appears that all temporary fill has been removed from the work area and a gravel bottom remains in the natural overflow channel. The channel was flooded at the time of inspection and the water was clear, with no signs of sediment. Hay mulch has been applied to the disturbed slopes where some grass growth was noted. 11/23/05.</p> <p>- A number of stockpiles are noted in the yard near the GIS building but they are all well contained. 11/23/05.</p>	<p>- Sedimentation and gravel remain contained within the swale. The access road will be paved eventually which will remove the problem. Continue to monitor area until final stabilization. 9/21/05-11/23/05.</p> <p>- Sediment may need to be removed by hand here in order to restore the original capacity of the channel. 10/27/05-11/23/05.</p> <p>- It should be confirmed the channel is at original grades. 11/10-11/23/05.</p> <p>- All piles are well within the site. None at this time. 11/23/05</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>-The 345kV work area appears to have been restored and mulch has been applied to the side slopes. 11/10-11/23/05</p> <p>-Sediment was noticed at the edge of the constructed overflow channel and the river but the water is running clear through the entire area.</p>	- Continue to remove any loose sediment due to the project in the channel and work area. 11/23/05.

Areas of Inspection	Observation	Recommended Action
	11/23/05.	
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-No additional clearing is needed at this time. 11/23/05	- Clearing was limited to what is necessary and it will continue to be monitored. 11/23/05
Dewatering	-Dewatering was not observed during this inspection. 11/23/05.	-None at this time. 11/23/05.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	- No drips or leaks were noted on the site at the time of inspection. 11/23/05.	<p>In general:</p> <ul style="list-style-type: none"> - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - The contractors should remain vigilant about securing and handling fuel and all other material containers due to the sensitivity of the area. - Report spills to the office immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. - All fuels and agents not in use should be covered and stored in the sheds and trailers before leaving for the day.
Additional Observations		

Next likely scheduled inspection:

Thursday, December 1, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate

and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Lee Curtis

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Date: November 23, 2005

Inspector: Lee Curtis

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Approximately 1.44- 1.70" of rain fell over 11/21-11/22 as reported by NOAA

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time but soil test borings had occurred on the driveway to the substation in previous weeks. 11/23/05	- Take care not to let accumulated soil from the borings enter the wetland swales adjacent to the driveway. 11/2-11/23/05
Foundation construction	-The remaining work is mostly electrical and within the control house. Some work internal to the pad was also noted.11/23/05. -No further civil or earth disturbing work was noted on site at this time and trailers are gone. 11/23/05	- The areas are all contained at this time.11/23/05 - Open excavations were not observed at this time. 11/23/05.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Although no silt fence is in place, the perimeter stone berm continues to work well to control the yard even with the significant rain. 11/23/05.	-All stockpiles are well-contained and the berm is working effectively at this time. 11/23/05

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> - The small remaining piles of sand/soil are not covered in plastic but are well within the site. 3/2-11/23/05 - A small stockpile remains adjacent to the slab but was well within the site. 11/23/05 	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-11/23/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 11/23/05.	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 11/23/05.
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> -The sand pile has been surrounded with safety fence but there seems to be little evidence of a valid nest at this point. 8/19-11/23/05. - The pile may be removed when necessary. 9/15-11/23/05. 	- Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns in the spring. The nest does not appear to be valid at this time. 11/23/05.
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering was not observed during the inspection. 11/23/05.	- None at this time. 11/23/05.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No leaks or drips had been noted at the site at the time of inspection. 11/23/05.	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	- Following completion of a few future scheduled activities, this substation can be removed from the inspection route. 11/23/05.	

**Next likely scheduled
inspection:**

Thursday, December 1 , 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Lee Curtis



Norwalk Substation: View of the Turning Structure and the restored portion of the natural overflow channel. 11/23/05.



**Photo on the left shows the structures being installed in the northwest portion of the yard.
Photo on the right shows the excavation work adjacent to the GIS building nearing completion. 11/23/05.**



Photo on the left shows a view of the stockpiles placed near the GIS building. All soil remains contained on site. Photo on the right shows the natural portion of the overflow channel with the Norwalk River running fairly high. 11/23/05.



Plumtree Substation: Work internal to the pad continues. 11/23/05.